

Exercise 1.2 - GitHub: Repository setup

Saturday, June 24, 2017 1:53 PM

1. Read GitHub's guide for a "Hello World" repository: <https://guides.github.com/activities/hello-world/>
 - o Note: You may follow the instructions outlined in this tutorial for practice, but we will create our own repository for this course.
2. Sign in to your GitHub account
3. In the upper right corner, select the (+) sign and "New repository"
4. Name the repository web-230
 - o **repository names should always be lowercased with words separated by hyphens**
5. Enter "Introduction to JavaScript" in the description field
6. Choose "Public"
7. Choose "Initialize this repository with a README" option
8. Select "Create Repository"
9. Example:

Owner: rrkrasso / Repository name: web-230 ✓

Great repository names are short and memorable. Need inspiratic

Description (optional): Introduction to JavaScript

☒ Public
Anyone can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

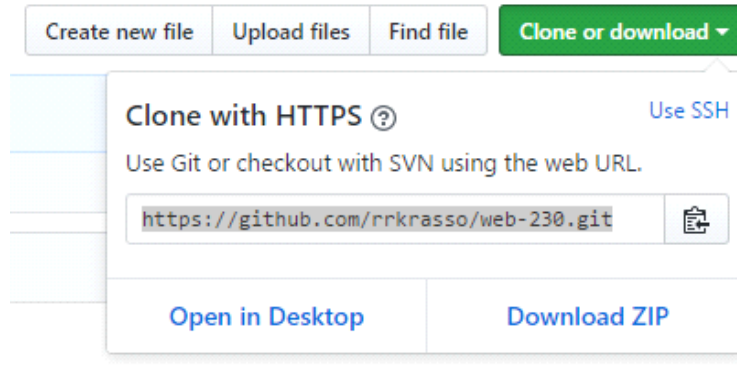
☒ Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip

Add .gitignore: None | Add a license: None ⓘ

Create repository

10. Clone the newly created repository
 - o Open a command prompt / terminal window
 - o Navigate to c:\users\<your username> (windows) or /users/<your username>/ (Linux)
 - o Create a new directory called bu-webdev
 - mkdir bu-webdev
 - o CD to bu-webdev
 - cd bu-webdev
 - o Minimize the command prompt / terminal window
 - Note: do not close this window - we will be returning to this directory in a couple steps
 - o Sign in to GitHub (if not already)
 - o Open your web-230 repository
 - o Select the "Clone or download" button

- Note: a dialog box will appear with the repositories URL



- Copy the URL
- Maximize the command prompt / terminal window
- Verify you are in the correct working directory
- Type the following command
 - `git clone <paste URL here>`

```
C:\Users\rrkrasso\bu-webdev>git clone https://github.com/rrkrasso/web-230.git
Cloning into 'web-230'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
```

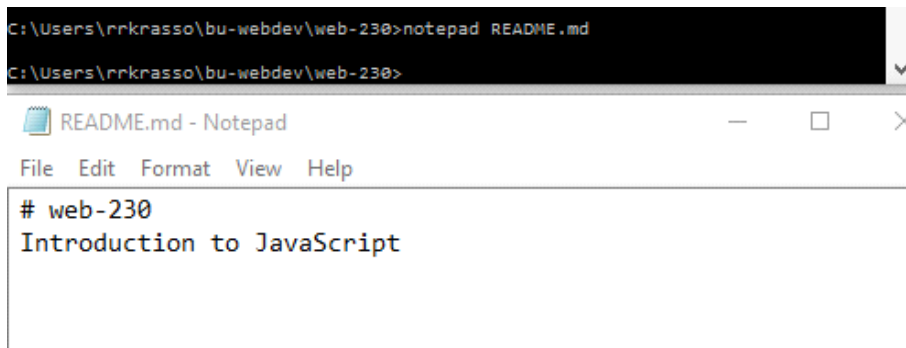
- Verify the cloned repository
 - `dir`

```
C:\Users\rrkrasso\bu-webdev>dir
Volume in drive C has no label.
Volume Serial Number is F049-F4ED

Directory of C:\Users\rrkrasso\bu-webdev

06/24/2017  12:54 PM  <DIR>          .
06/24/2017  12:54 PM  <DIR>          ..
06/24/2017  12:54 PM  <DIR>          web-230
               0 File(s)              0 bytes
               3 Dir(s)  283,391,401,984 bytes free
```

- CD to the cloned repository
 - `cd web-230`
- Verify the directory has a README.md file
 - `dir`
- Modify the README.md file using notepad or some other text editor
 - For notepad users type: `notepad README.md`



- Add a new line
- Enter `#contributors`

- Enter Professor Krasso - Bellevue University
- Enter <Your Name> - Bellevue University
- Save the file
- Reopen the command prompt / terminal window
- Verify changes:
 - git status
 - **red text means the files were modified but not staged**

```
C:\Users\rrkrasso\bu-webdev\web-230>git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
```

- Stage changes:
 - git add -i
 - **i instructs git to open an interactive menu**

```
C:\Users\rrkrasso\bu-webdev\web-230>git add -i

      staged      unstaged path
  1:   unchanged   +4/-0  README.md

*** Commands ***
  1: status      2: update      3: revert      4: add untracked
  5: patch       6: diff        7: quit        8: help
what now>
```

- Choose option 5: patch
- Enter an asterisk (*) and hit "ENTER"
 - **an asterisk is equivalent to 'Select All'**

```
what now> 5

      staged      unstaged path
  1:   unchanged   +4/-0  README.md
patch update>> *
diff --git a/README.md b/README.md
index 540649e..d9b4d83 100644
--- a/README.md
+++ b/README.md
@@ -1,2 +1,6 @@
 # web-230
 Introduction to JavaScript
 *
 *# contributors
 *Professor Krasso - Bellevue University
 *<Your Name> - Bellevue University
stage this hunk [y,n,q,a,d,/,,e,?]?
```

- Accept the changes by entering "y"

```
stage this hunk [y,n,q,a,d,/,,e,?]? y
<stdin>:10: trailing whitespace.
Professor Krasso - Bellevue University
warning: 1 line adds whitespace errors.

*** Commands ***
  1: status      2: update      3: revert      4: add untracked
  5: patch       6: diff        7: quit        8: help
what now>
```

- Enter 'q' to exit the interactive menu

```
what now> q
Bye.
```

- Verify the changes were "Staged"

- git status
 - ****green text means the files are staged****

```
C:\Users\rkrasso\bu-webdev\web-230>git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

       modified:   README.md
```

- Commit
 - git commit -m "Adding first commit"
 - ****-m means use the given message as the commit message****

```
C:\Users\rkrasso\bu-webdev\web-230>git commit -m "Adding first commit"
[master 127c211] Adding first commit
 1 file changed, 4 insertions(+)

C:\Users\rkrasso\bu-webdev\web-230>
```

- Verify
 - git status
 - ****nothing should appear****
- Push
 - git push -uv origin master
 - ****if a dialog window appears, enter your GitHub username / password****

```
C:\Users\rkrasso\bu-webdev\web-230>git push -uv origin master
Pushing to https://github.com/rkrasso/web-230.git
```

GitHub Login



GitHub
Login

rkrasso@hotmail.com

••••••••

Login Cancel

- Verify the files in GitHub
 - Sign in to your GitHub account (if not already)
 - Navigate to the web-230 repository
 - Underneath the "<>Code" tab you should see a README.md file with our changes

web-230

Introduction to JavaScript

contributors

Professor Krasso - Bellevue University Richard Krasso - Bellevue

11. Deliverable

- Screenshot of your git installation

```
C:\Users\rkrasso\bu-webdev\web-230>git --version
git version 2.13.1.windows.2
```

- Screenshot of your web-230 directory

```
C:\Users\rkrasso\bu-webdev\web-230>dir
Volume in drive C has no label.
Volume Serial Number is F049-F4ED

Directory of C:\Users\rkrasso\bu-webdev\web-230

06/24/2017  12:54 PM    <DIR>          .
06/24/2017  12:54 PM    <DIR>          ..
06/24/2017  01:28 PM                136 README.md
               1 File(s)                136 bytes
               2 Dir(s)  283,357,990,912 bytes free
```

- Screenshot of git recognizing your local directory

```
C:\Users\rkrasso\bu-webdev\web-230>git status
On branch master
Your branch is up-to-date with 'origin/master'.
nothing to commit, working tree clean
```

- Link to your GitHub repository